

FIG.2

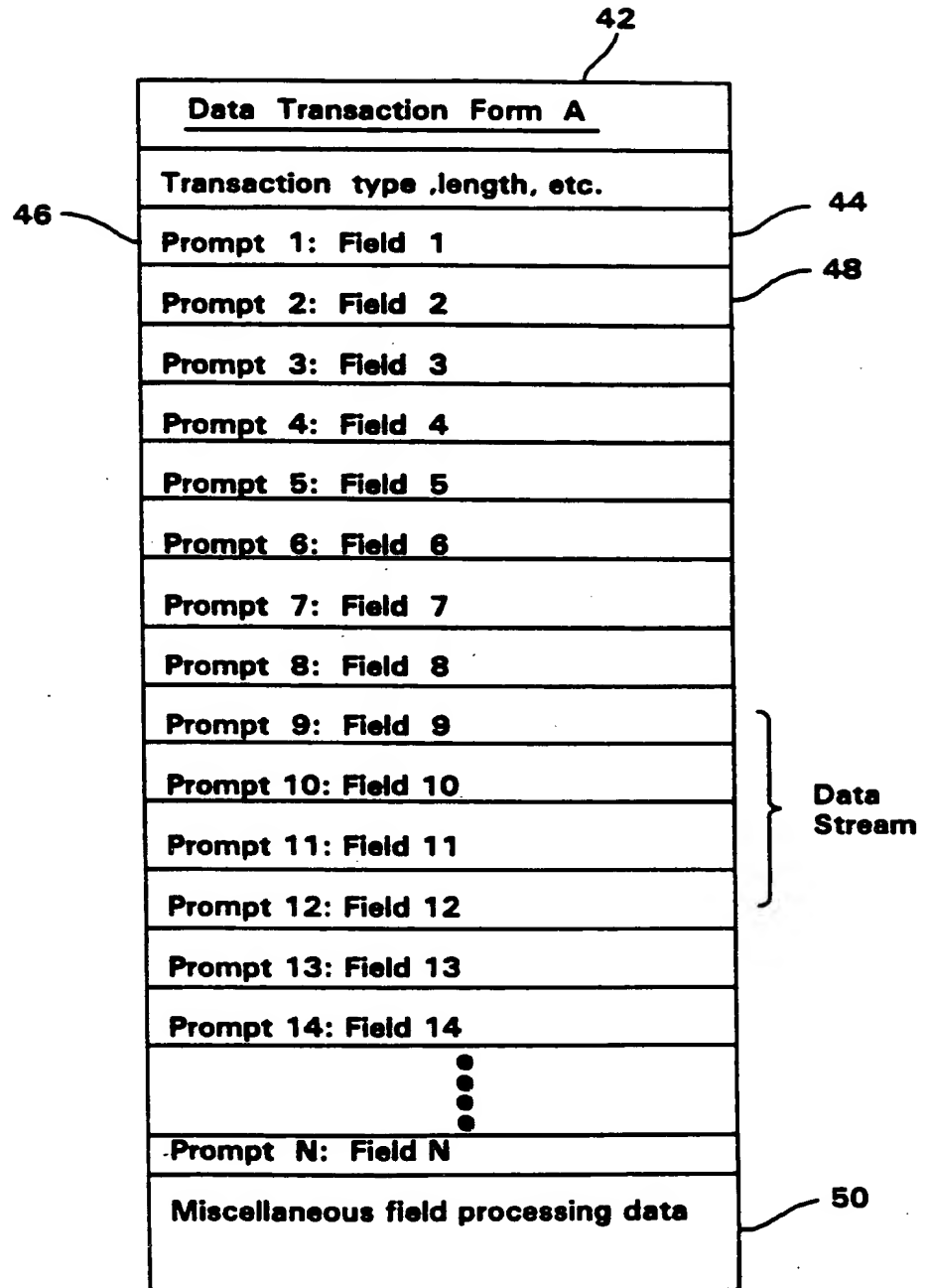


FIG. 3

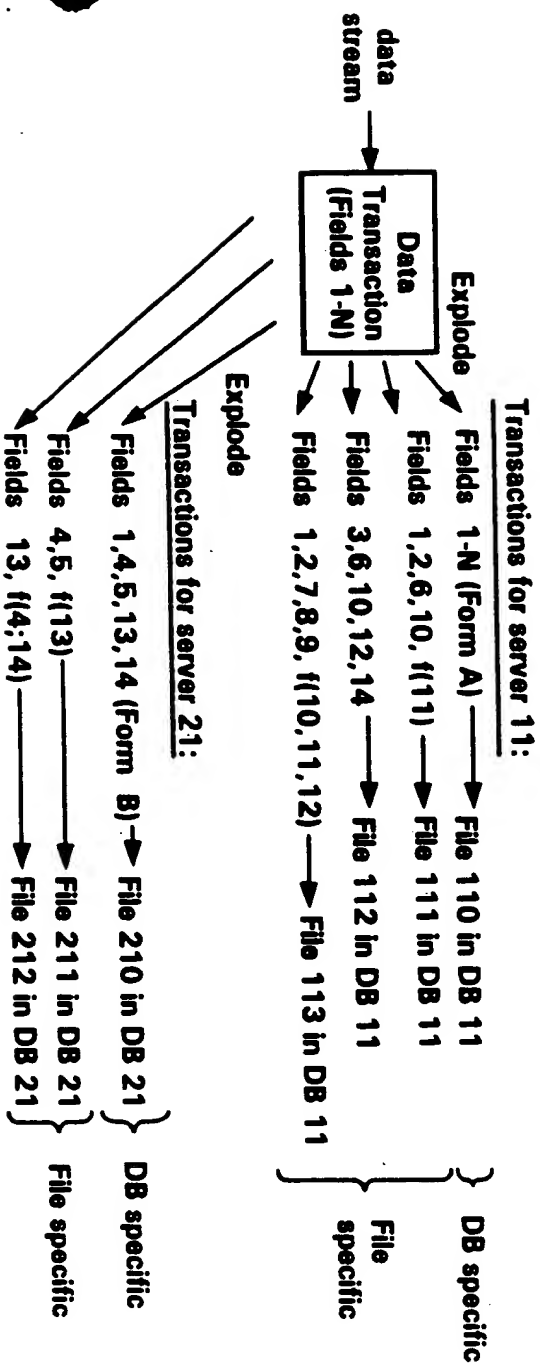


FIG. 4

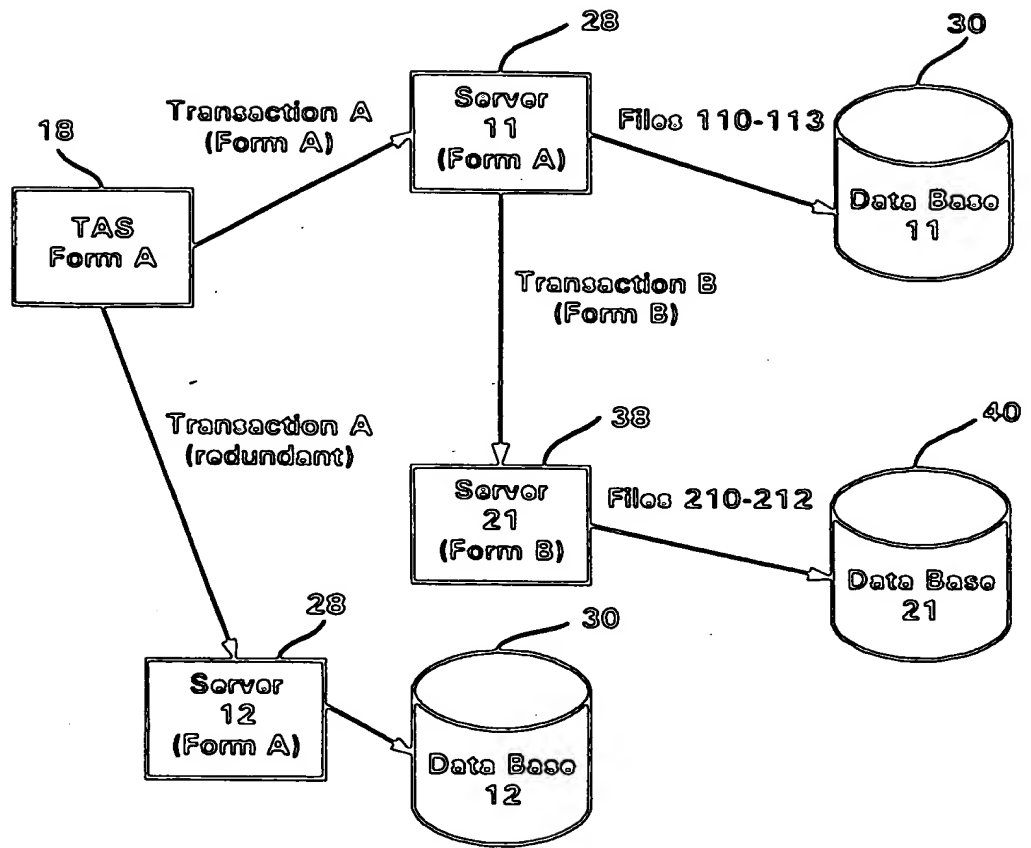


FIG. 5A

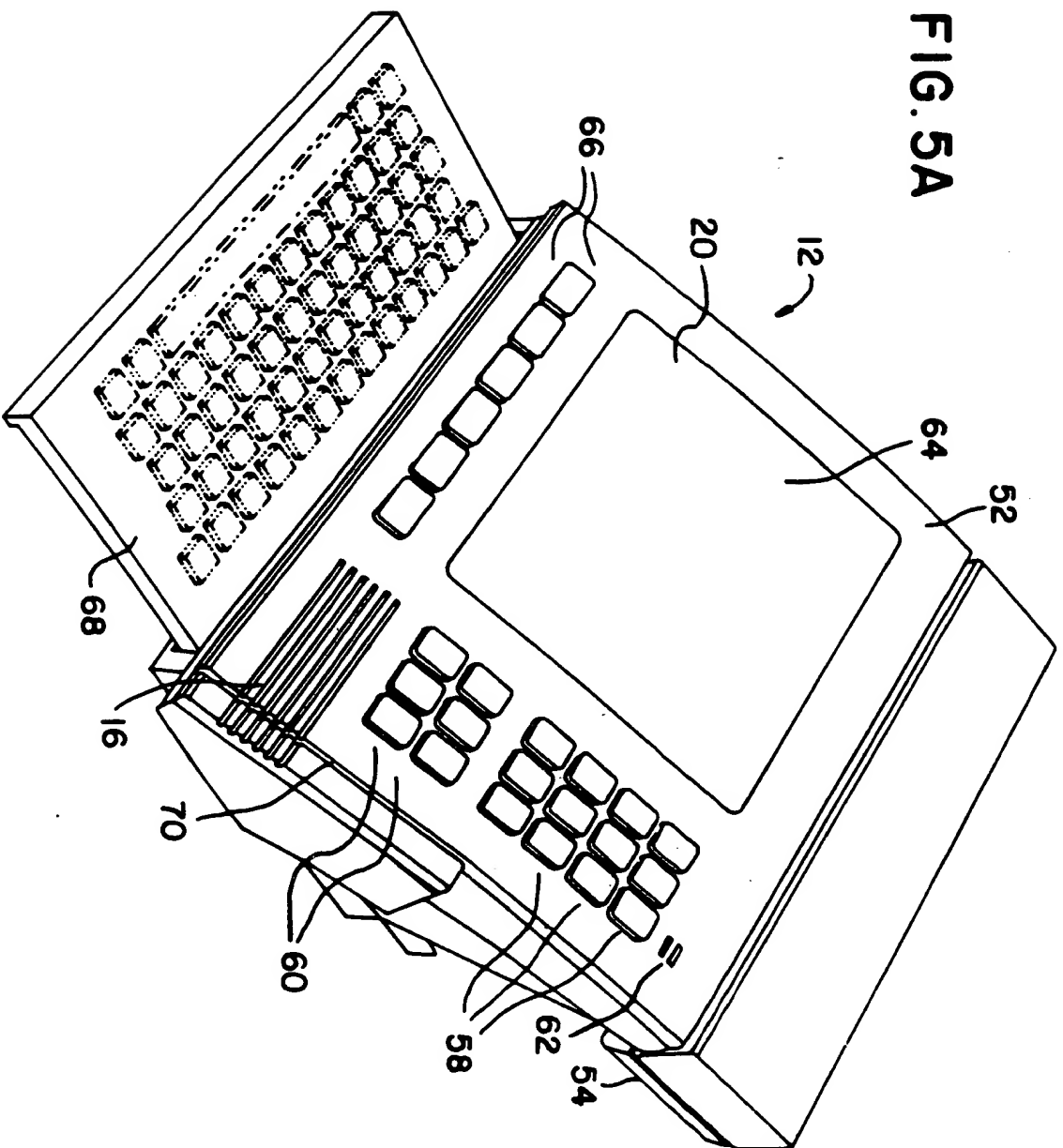
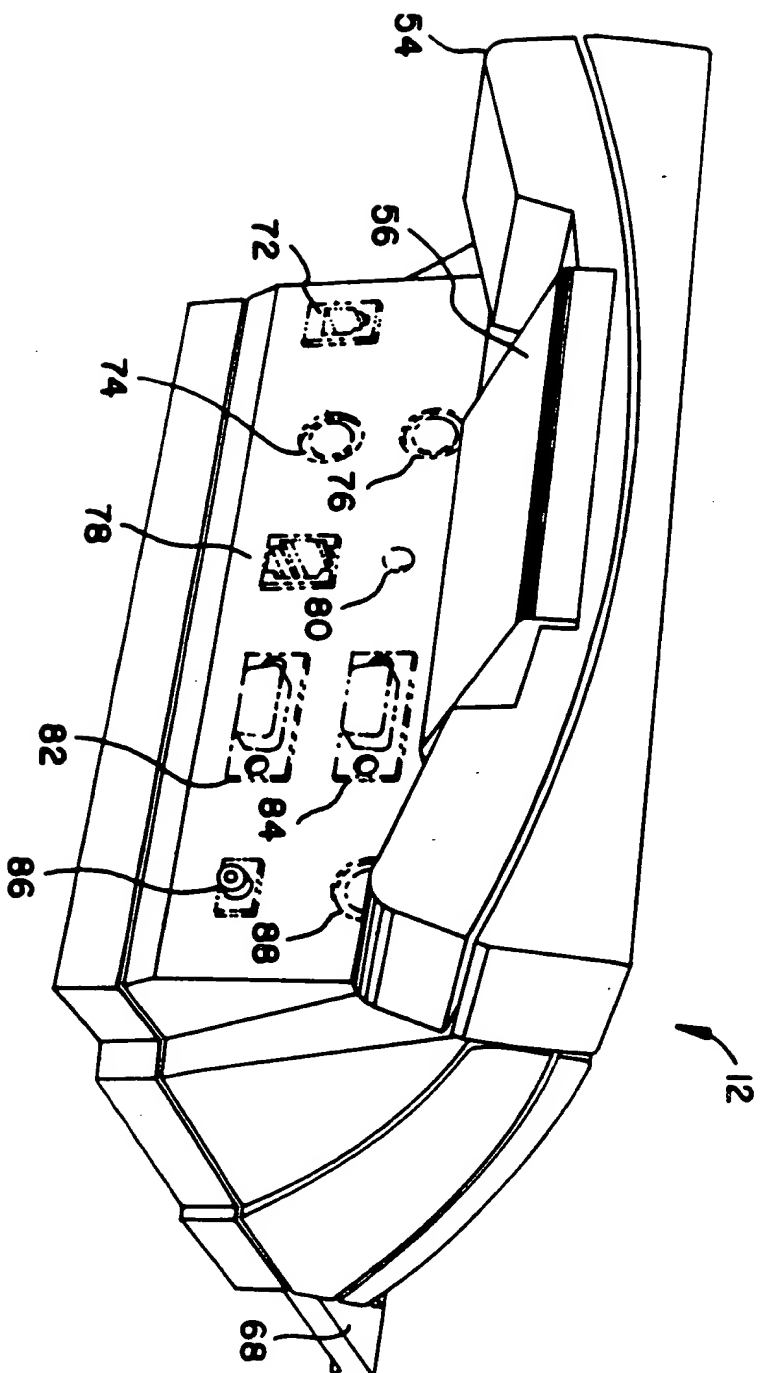
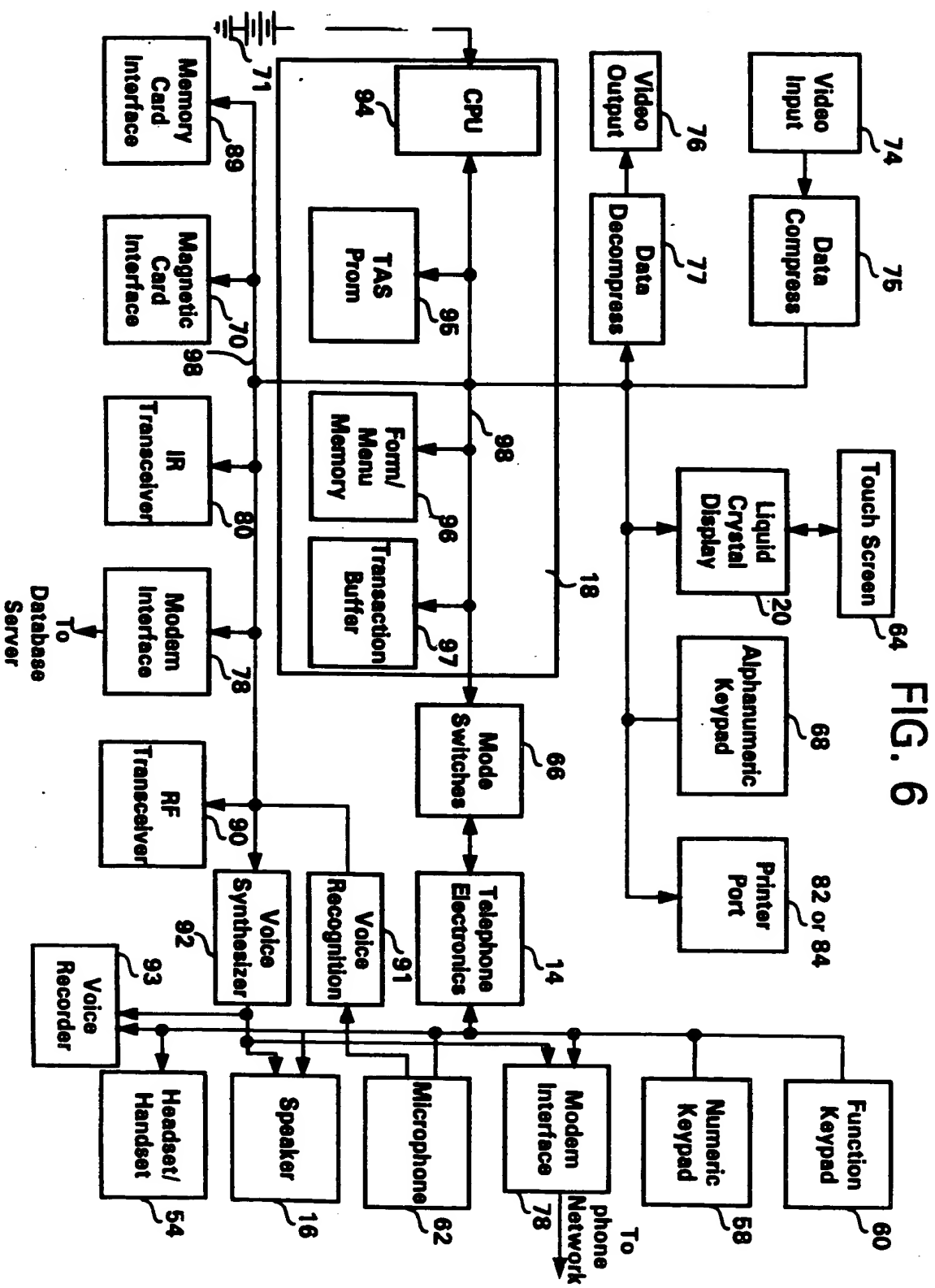


FIG. 5B





Abstract. We study the asymptotic behavior of the eigenvalues of the Dirac operator associated with the Dirac–Klein–Gordon system in the presence of a magnetic field. The Dirac operator is considered as a perturbation of the free Dirac operator by the interaction term involving the Klein–Gordon field. The asymptotic expansion of the eigenvalues is obtained by using the Weyl–Kato theory of perturbations of self-adjoint operators. The results are applied to the study of the spectral properties of the Dirac operator in the presence of a magnetic field.

TAS

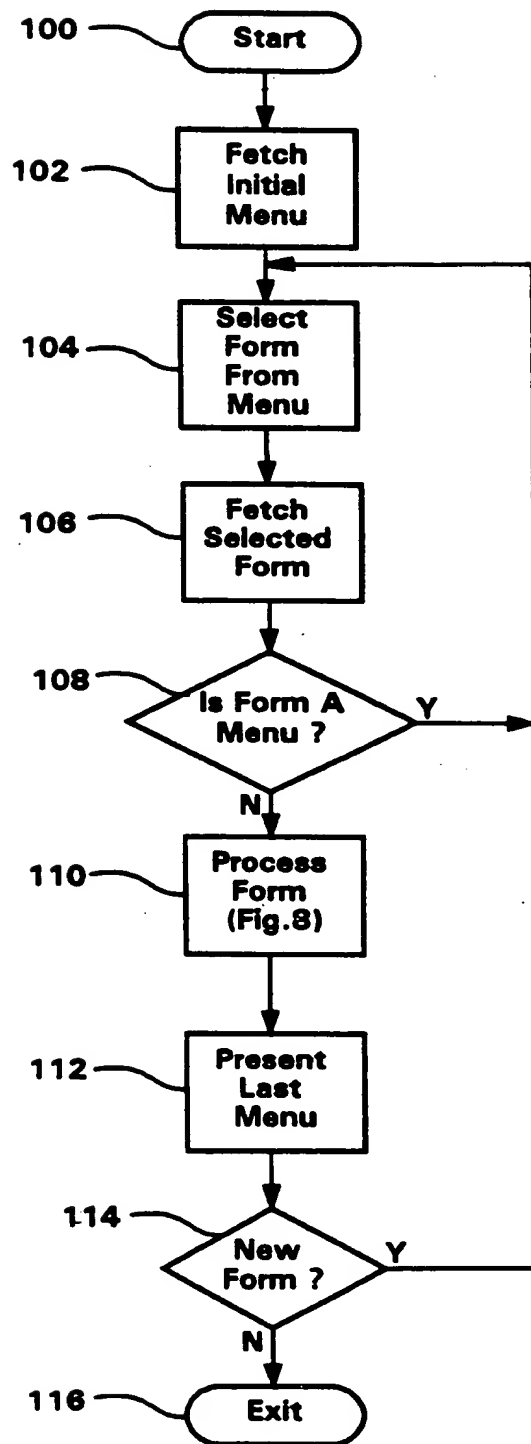


FIG. 9A

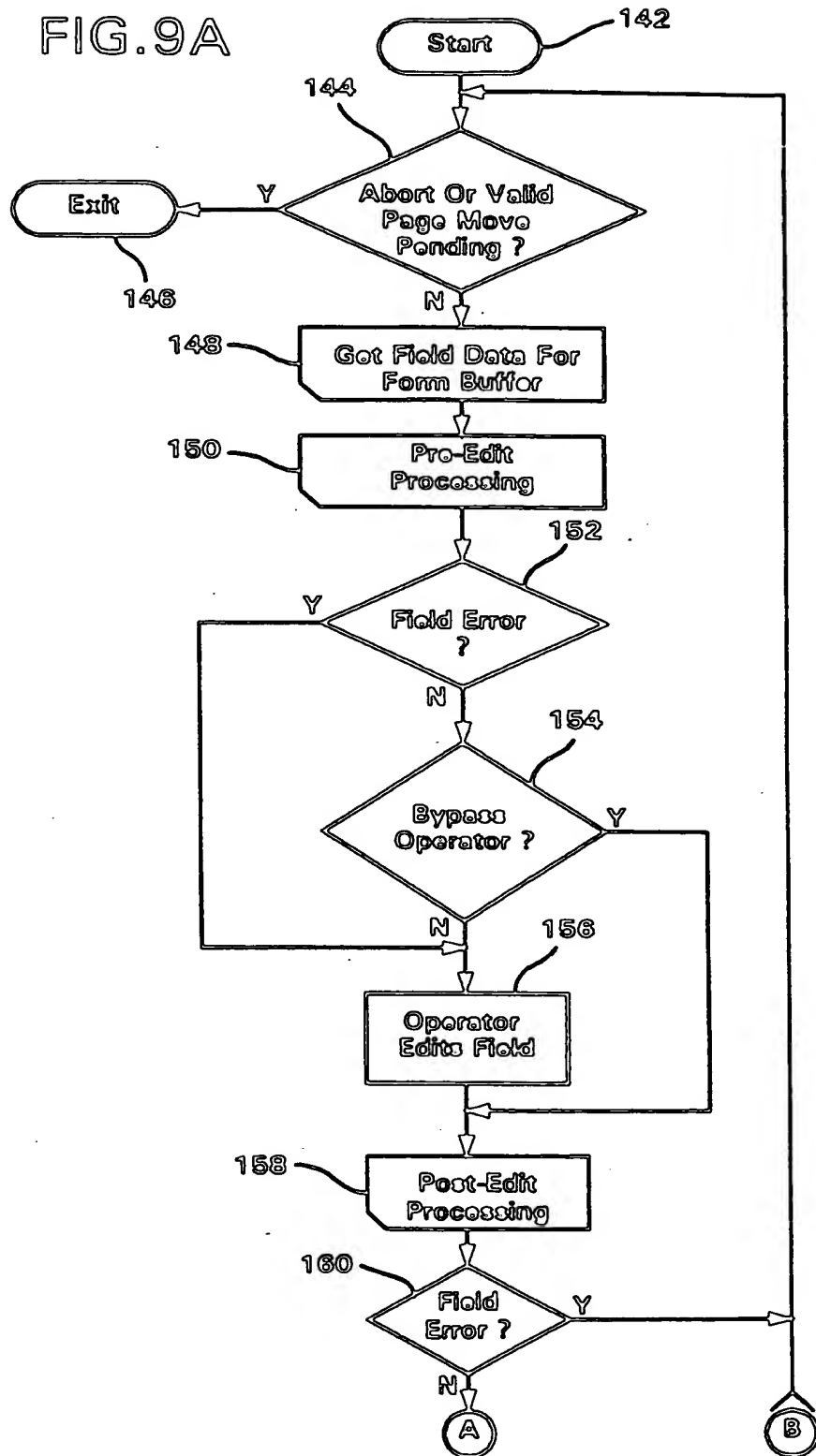


FIG. 9B

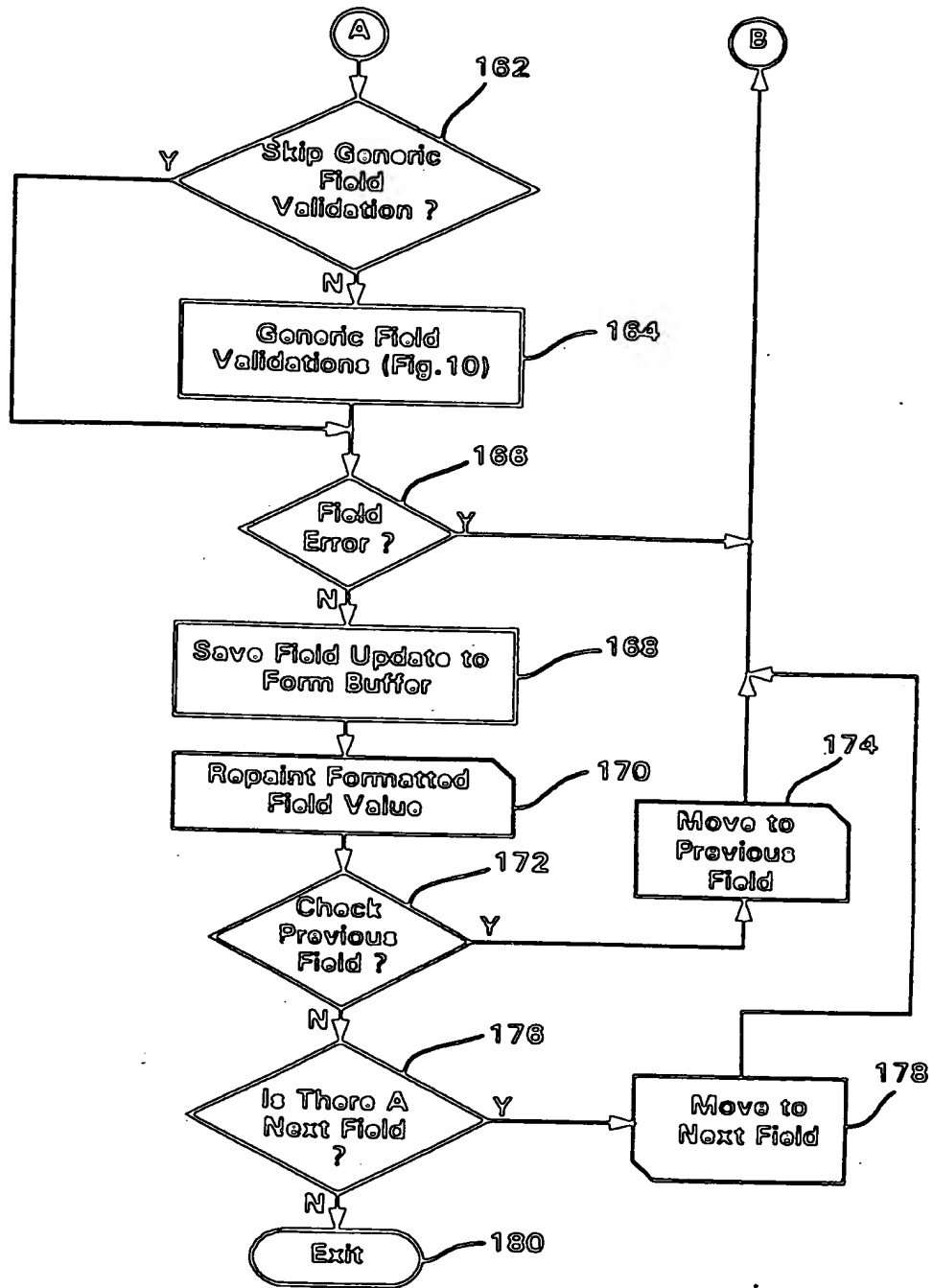


FIG. 10

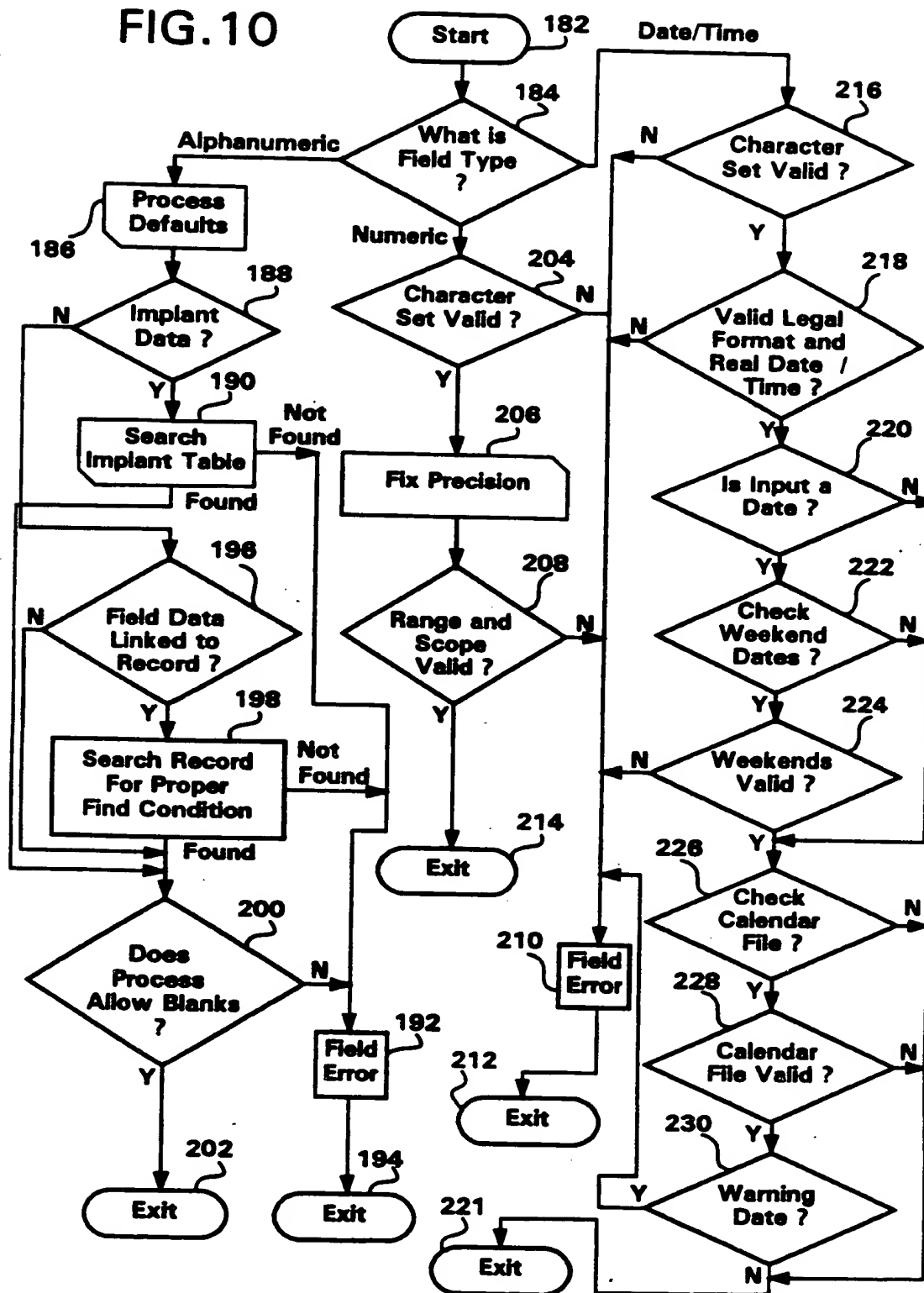
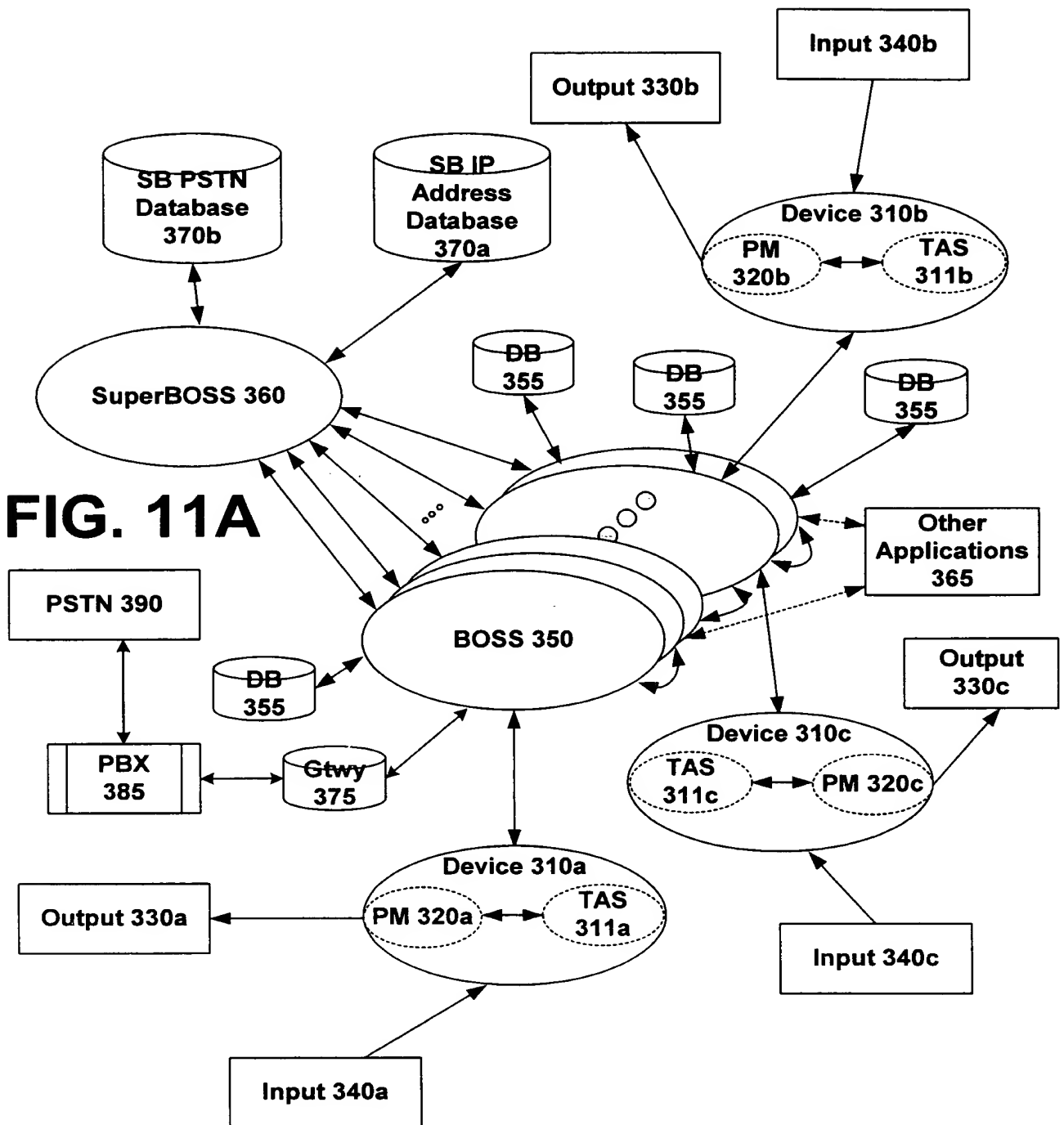


FIG. 11A



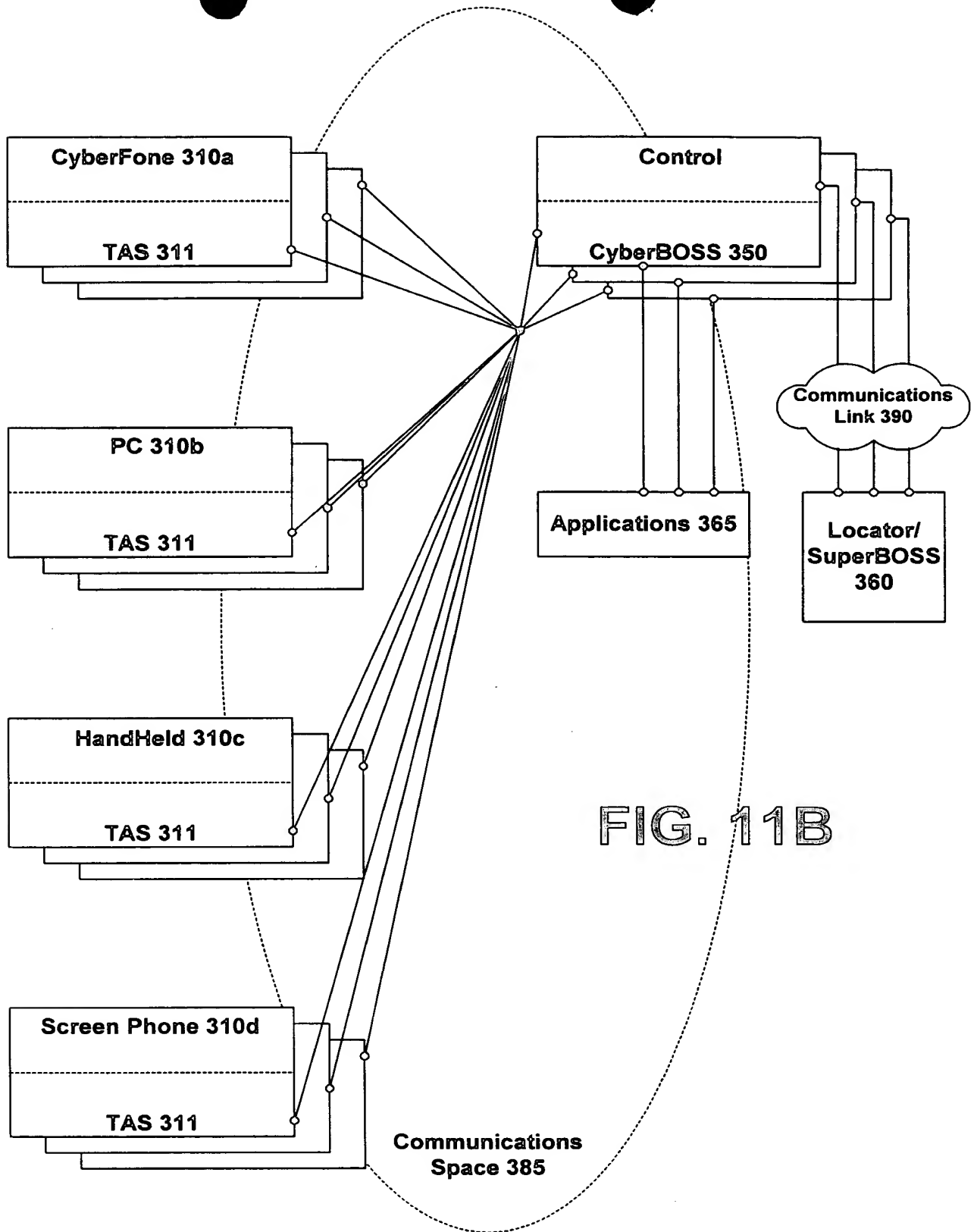
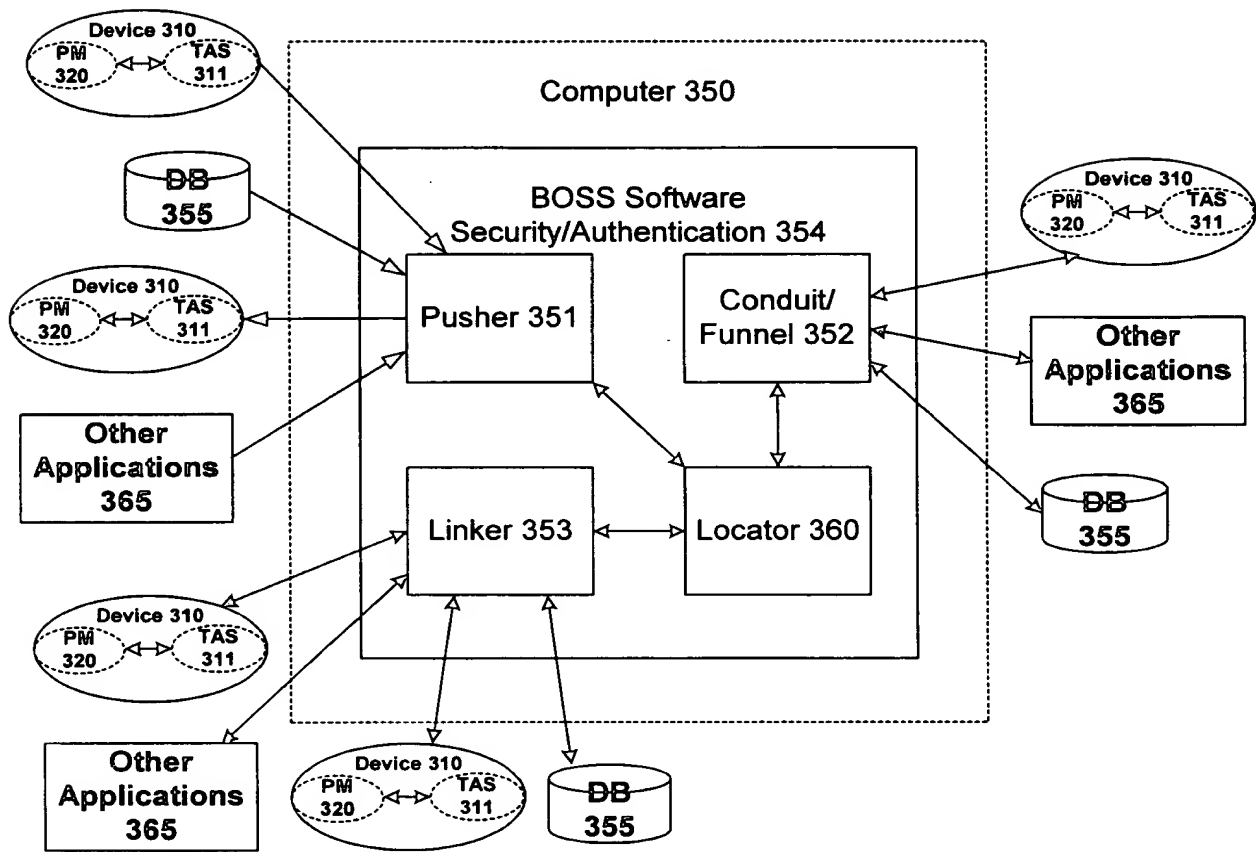


FIG. 11B

FIG. 12



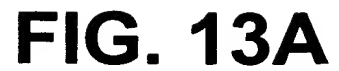


FIG. 13B

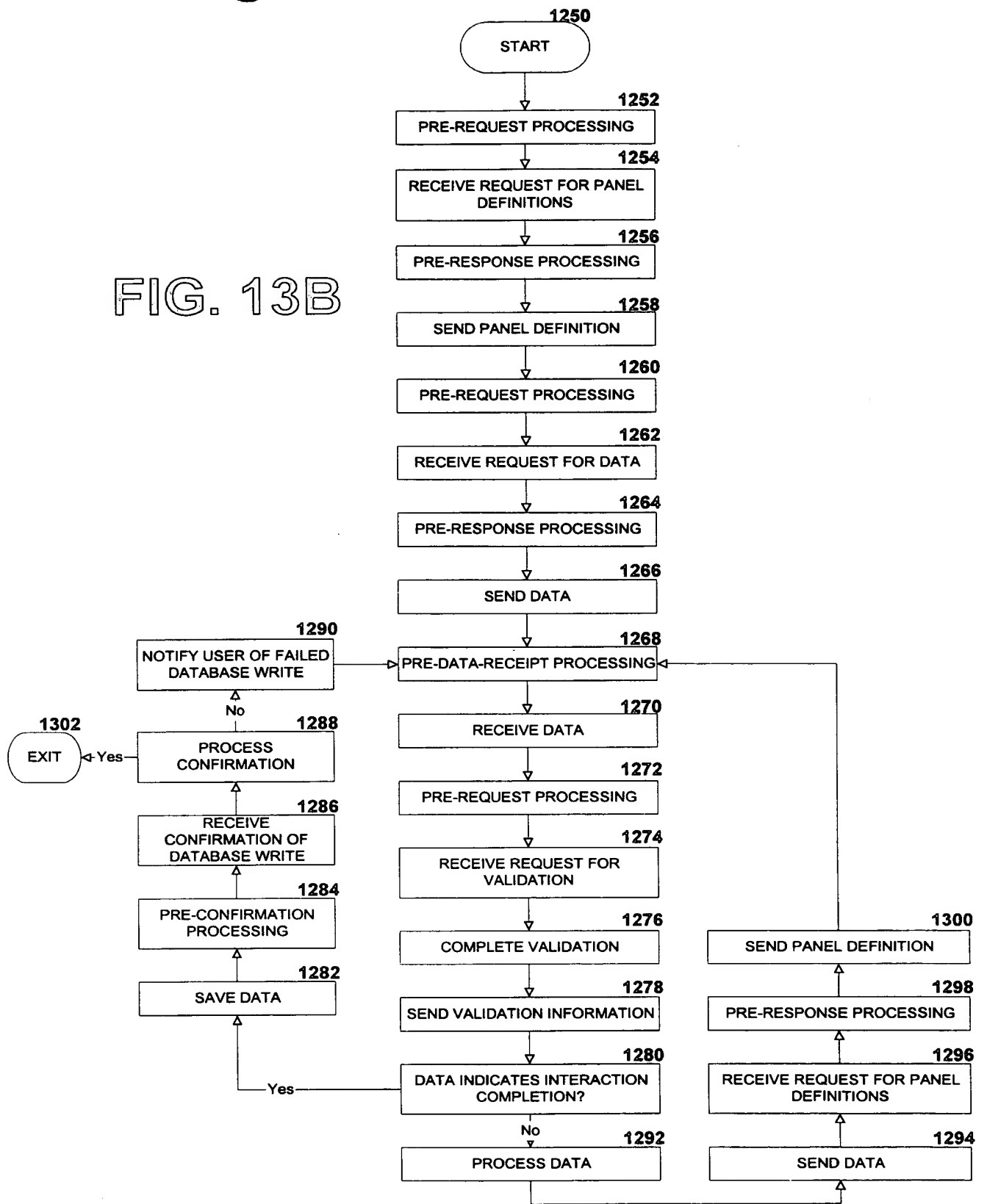


FIG. 14A

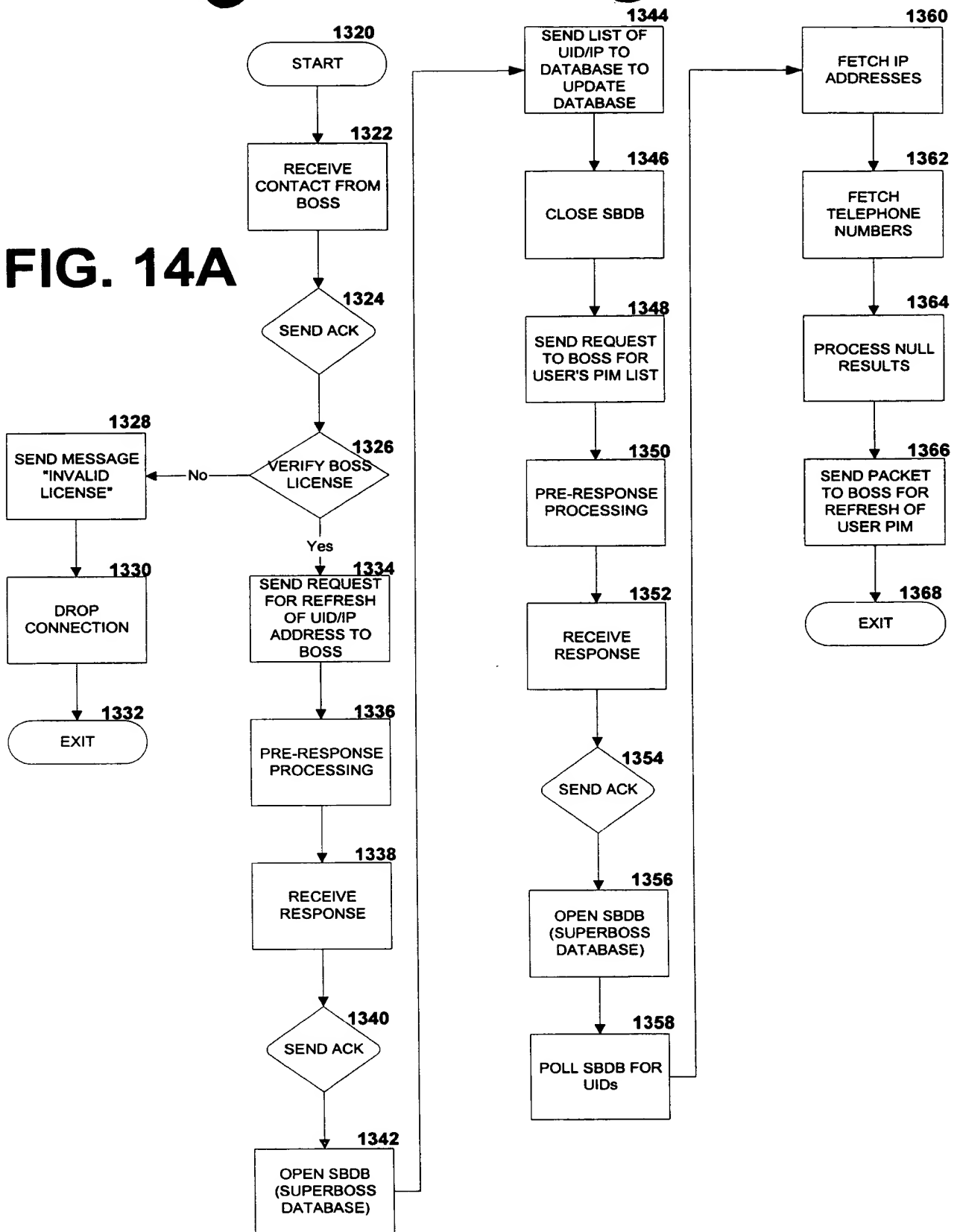


FIG. 14B

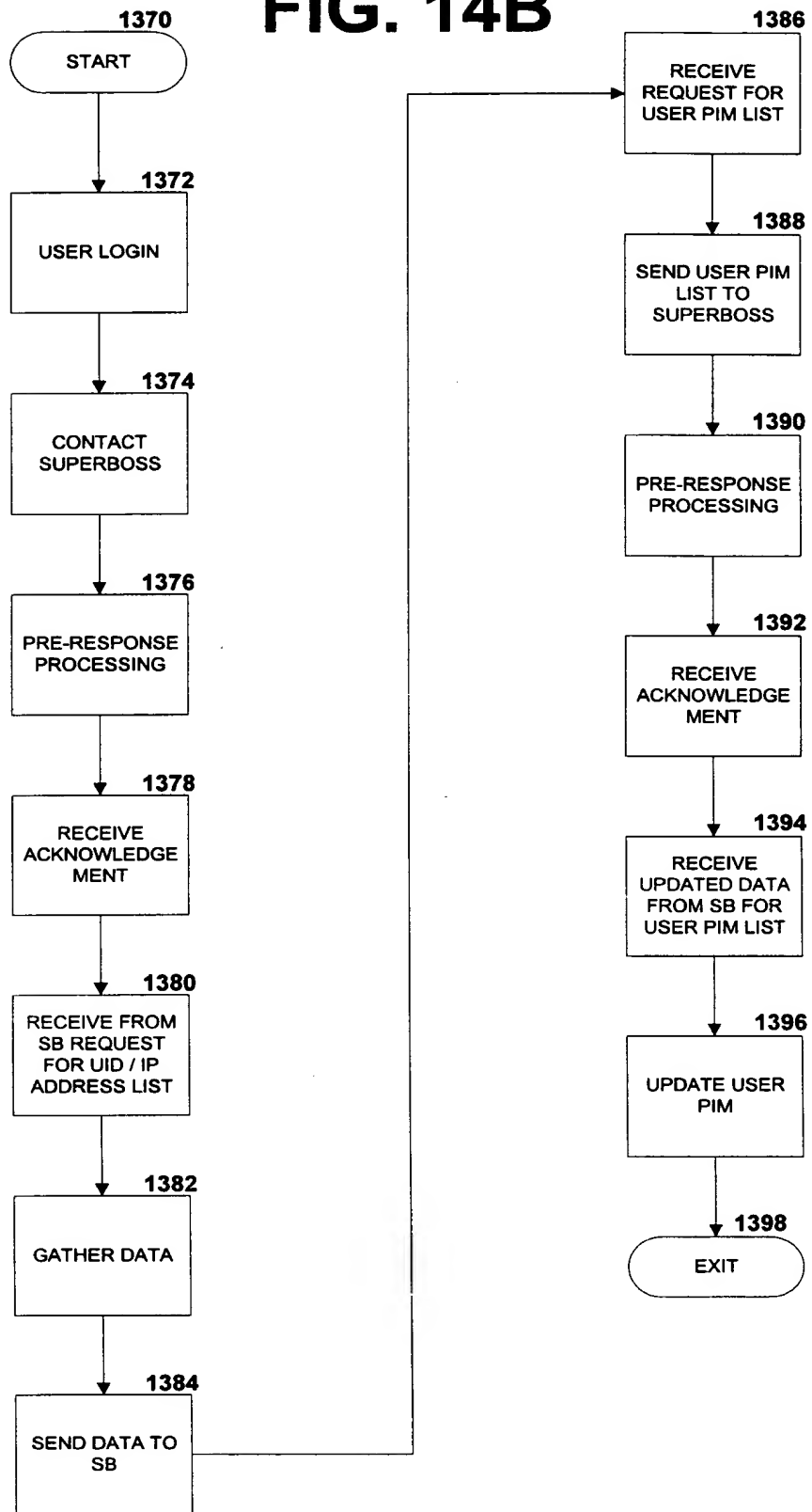
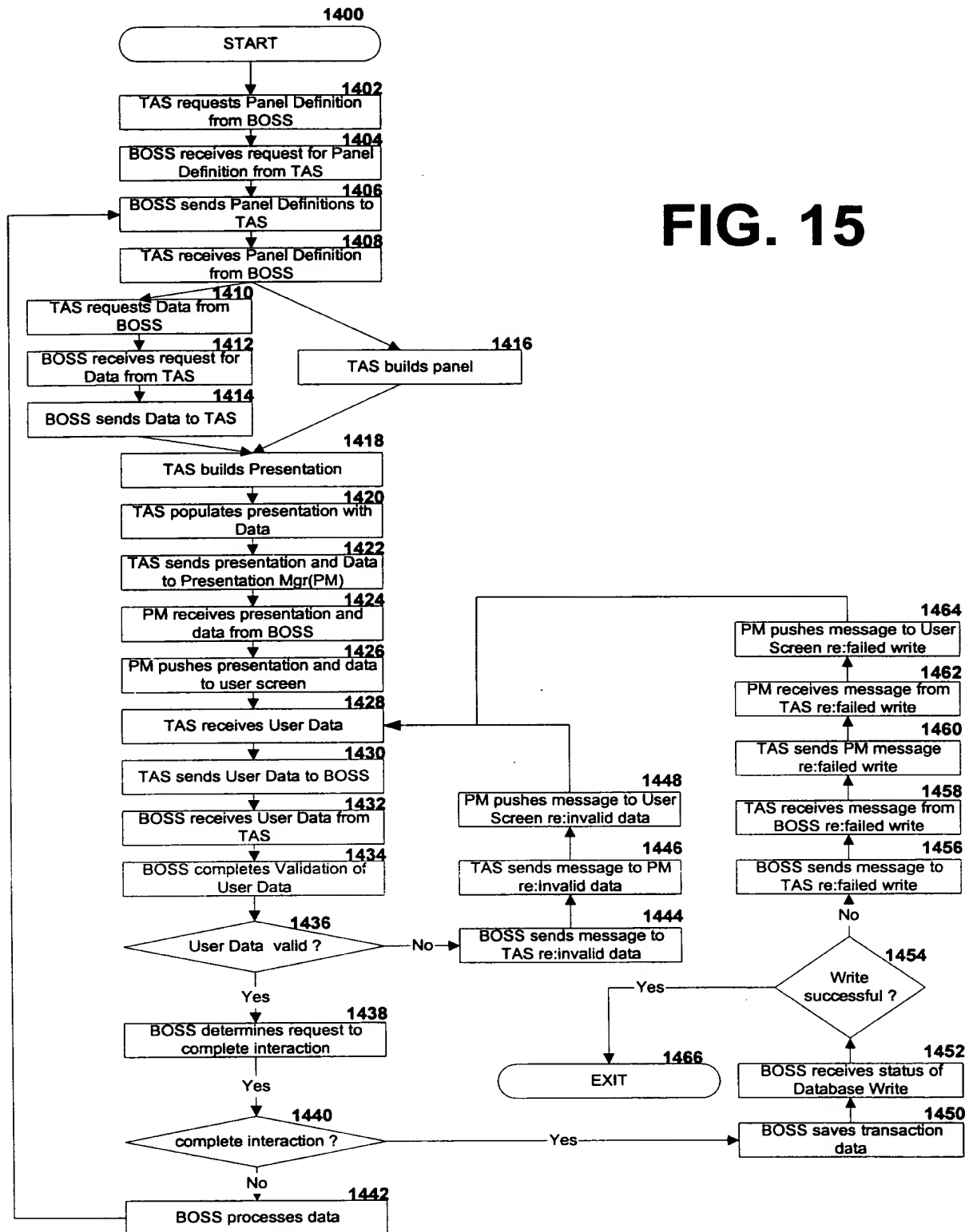


FIG. 15



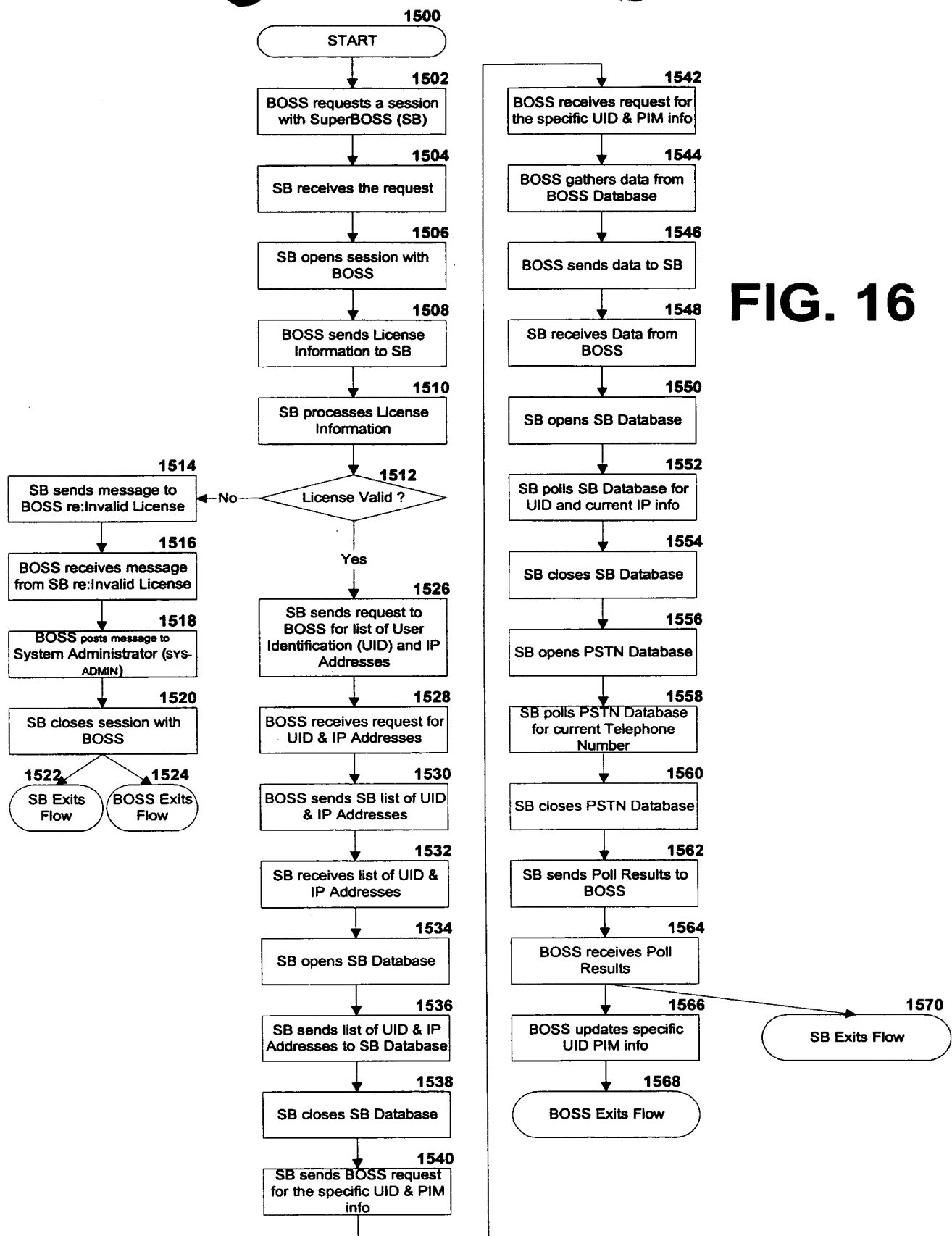


FIG. 17

